

POWERED FLIGHT TWO

Normal flight maneuvers

Syllabus # 7

Estimated time: 1.0 hour.

1. Preflight. Discuss previously completed syllabus flights as appropriate.
2. In flight. The orientation pilot will perform the following maneuvers at a minimum altitude of 2,500 feet AGL:
 - a. After trimming for level flight, point out the stability of the airplane in hands off flight.
 - b. Emphasize attitude flying.
 - c. Demonstrate use of trim controls and straight flying to a checkpoint using visual references.
 - d. Discuss the effects of lift, drag, and gravity on the airplane.
 - e. Discuss the relationship of lift, angle of attack, and relative wind.
 - f. Demonstrate a shallow banked turn and point out how the airplane will maintain the turn with controls neutral.
 - g. Explain load factor during turns.
3. Post flight. Answer questions pertaining to the flight and stress safety.

Refer to *Aerospace Dimensions* module 1: Introduction to Flight.

